

2016 Annual Business Meeting / Réunion générale annuelle 2016

Academy of Science / Académie des sciences

Saturday, November 19, 2016 at 10:15 am / Le samedi 19 novembre 2016 à 10h15
Room Limestone C Four Points Hotel/ Salle Limestone C, Hôtel Four Points
Kingston, ON

Minutes / Procès-verbal

ATTENDANCE: See the separate attendance sheets.

1. Introduction

Academy President Jamal Deen welcomed everyone, with special words of welcome to the New Fellows. He introduced the other Fellows at the head table: Keith Hipel, Past-President; Vijaya Raghavan, President-Elect and Jacques Derome, Secretary. He sincerely thanked Jacques for his outstanding work over the last three years. He warmly welcomed Gary Slater who will replace Jacques as Academy Secretary following the meeting.

2. Approval of the Agenda / Acceptation de l'ordre du jour

Motion to approve the agenda (Jeremy McNeil; Ajay Dalai). Carried.

3. Minutes of the last meeting / Procès-verbal de la dernière réunion

Motion to approve the minutes (Lawrence Mysak; Pekka Sinervo). Carried.

4. Business arising from the minutes / Affaires découlant du procès-verbal

There was no business arising from the last meeting.

5. Reports of the Academy President and Past-President / Rapports du Président de l'Académie et du Président sortant

- a) The President's report appears as Appendices 1, 2 and 3 (pages 5-9, 10 and 11-14 respectively) to the minutes. Jamal Deen reported that the Academy Council had approved the formation of a Past-Presidents' Council (see attached Appendix 4, pages 15-16). The Council will allow the Academy to benefit from the experience accumulated over the years by the Academy Presidents. It will be advisory in nature, hence will not make decisions that are binding on the Academy. The Council will meet once a year in person and as required by phone. The terms and mandate of the Council will be reviewed after five years to see if improvements can be made.

Other activities in which the President took part included: the formulation of guidelines for criteria to be used in the selection of Foreign Fellows, working with Division Directors to ensure that all committees are at full complement, interacting

with PAGSE -Partnership Group for Science and Technology (see Appendix 2, page 10). Unfortunately, he was unable to attend the seven Bacon and Eggheads talks that PAGSE organised on parliament Hill, but the incoming Academy Secretary Gary Slater will substitute and attend future ones whenever possible.

The President worked with the Secretary in writing an article for the Newsletter inviting Fellows to nominate more women and Francophones (see Appendix 3, pages 11-12). A similar invitation was sent by letter to the VP-Research of the French-language Institutional Members in Quebec, reminding them that Institutional Members can nominate three candidates in addition to those nominated by the Fellows (see Appendix 3, pages 13-14).

Jamal Deen thanked Andrew Miall, Editor of the Academy Newsletter, for his excellent work and encouraged Fellows to submit more articles, as sometimes they are in small numbers.

- b) Past-President Keith Hipel reported that he had chaired the Academy of Science Awards Committee and congratulated the winners of the various awards.

He is concerned with the disconnect between the activities of the Academy of Science and its Fellows and the benefits received by the Canadian society. He wrote an article in the Academy Newsletter on the topic and on the greater influence that the Academy should have on our government. In the discussion that followed, it was pointed out that there are two other academies in Canada, and that the Academy of Science, Royal Society of Canada, is but one of them. Collaboration among the Academies could be improved. One area where our Academy should provide advice is energy. Canada is an energy powerhouse and our Academy should try to inform/influence governments on the best use of that energy.

6. Report of the Academy Secretary / Rapport du secrétaire de l'Académie

The report of the Academy Secretary, Jacques Derome, is appended (Appendix 5, pages 17-18). In summary, in addition to serving *ex officio* on Academy committees and on the RSC Council, he represented the Academy on the RSC Awards and Recognition committee. Outside of committee work, he contributed to the following activities:

- a) He collaborated with the President in the Newsletter article mentioned earlier and in writing to the French-language Quebec Institutional members inviting more nominations of women and Francophones.
- b) He took a proposal by a UBC group of Faculty Members to the RSC Awards and Recognition Committee and then to the RSC Council. The proposal to create the J Ross Mackay Medal, subject to sufficient funds being raised by the UBC group within three years, was approved by the RSC Council.
- c) The Academy of Science Executive Committee approved a motion requesting that in the future the Alice Wilson Awards be adjudicated by the College of New Scholars, Artists and Scientists and that there be one award per Granting Council, as opposed to the current procedure of one award per Academy. Jacques Derome

took the motion to the RSC Awards and Recognition Committee, which decided to recommend that indeed the Awards be adjudicated by the College, but in a way that the College judges appropriate and approved by the RSC Council. He then took the modified motion to the RSC Council, which approved it.

7. Reports of the Division Directors / Rapports des directeurs des divisions

a. Division ASE

Vijaya Raghavan reported that he is stepping down as Division Director to become President-Elect of the Academy as of this Annual Meeting. He thanked Claudio Cañizares for having accepted to succeed him as Division Director. Over the past year the Division evaluated 55 nominations for New Fellows, out of which eight were elected – the maximum number allocated to the Division. The divisional Committee for the Selection of new Fellows is at full complement for the coming year, with 11 members.

b. Division EOAS

In Robert Reisz' absence Lawrence Mysak reported that all Division committees are at full complement. Robert Reisz and he will continue in 2016-2017 as Division Director and Chair of the Nominating Committee, respectively. Nat Rutter will chair the Nominating Committee as of November 2017. Lawrence Mysak mentioned that the Ukraine RSC exchange program is being reactivated – details will be provided in an upcoming academy Newsletter.

c. Division LS:

In Mona Nemer's absence, James Dosman reported that a substantial increase had taken place over the years in the number of nominations for fellowship to the Division. This plus the fact that the evaluation period for these nominations coincides with a busy grant application period for the Division's New Fellows Selection Committee has resulted in the Division not being able to meet the RSC deadline for submitting the names of the recommended nominees. In the preceding Divisional meeting the members attending thought the Division should examine the procedure used in selecting the proposed new Fellows.

In the discussion that followed it was suggested that there be a "Welcome Package" (for all new Fellows, not only in the LS Division) to explain the duties, responsibilities and benefits associated with joining the RSC. Lawrence Mysak pointed out that a brochure that served that purpose existed at some point in past, a copy of which he gave to the President. Another suggestion from the floor was to set up a mentoring program that would help orient new Fellows.

d. Division MPS

In the absence of Division Director Robert Prud'homme's, Robert Gaulin reported that he has accepted to be the new Division Director and that Dan Wayner will be the new Division Secretary. Over the past year the Division was successful in getting 11 new Fellows elected, including 3 women and 2 Francophones.

8. Other Business / Autres sujets

Lawrence Mysak requested that in the future the Academy have more time for its meetings during the Annual RSC Assembly.

He also briefly described the journal FACETS, published by Canadian Science Publishing (CSP), and mentioned that a Memorandum of Understanding between CSP and the RSC is under discussion (see Appendix 6, pages 19-22).

9. Adjournment / Clôture

Motion to adjourn (Mario D'Iorio; Dan Wayner). Passed at 11:45 AM.

Appendix 1 (pages 5-9)

Report from the President of Academy of Science Secretary (Jamal Deen) - 2015-2016 As President of the Academy of Science I was actively involved in the following bodies:

1. Chair, Academy of Science Council
2. Chair, Academy of Science Executive Committee
3. Chair, Academy of Science Program Committee
4. Chair, Academy of Science Committee for the Selection of New Fellows
5. Member, RSC Executive
6. Member, RSC Board of Directors
7. Member, RSC Committee for the Nomination of Officers

In addition to the usual responsibilities associated with participating in the above committees and Councils, I was actively involved in the following Academy activities

- Working with Past President and Academy's Council to create "Past Presidents Council" – Now approved. See attached document (Appendix 4, pages 15-16).
- Working with Academy's Council to create guidelines for evaluating Foreign Fellows.
- Working with Past President and Division Directors to populate all committees.
- Interacting with **Partnership Group for Science and Engineering** (PAGSE; www.pagse.org) – See Appendix 2, page 10. Since most meetings are in Ottawa, invited incoming Secretary, Gary Slater of University of Ottawa, to represent our Academy at PAGSE events – he accepted. PAGSE had 7 presentations in 2015-2016 cycle.
- Working with the Secretary on **The J. Ross Mackay Medal Proposal**.
- Working with the Secretary on **The Alice Wilson Medals** – Awards based on Granting Council Nominations (SSHRC, CIHR and NSERC).
- Article (written with our Secretary) that appeared in the Academy Newsletter inviting Fellows to nominate more qualified women and Francophones (See Appendix 3, pages 11-12).
- Letters (written with our Secretary) to seven Quebec universities reminding them that as Institutional Members of the RSC they are entitled to nominate three candidates for fellowship, in addition to the nominations made by their faculty members (see Appendix 3, pages 13-14).
- Reported on RSC Council meeting of 21 September 2016 to Academy's Council on 4 Nov 2016 meeting.

Invitations received and Commitments as President of the Academy of Science.

- **Tuesday January 19, 2016:** Attended dinner at the residence of the Consul-General of Japan in Toronto Mr. Yasunori Nakayama, in honour of the visiting guests from Japan, especially Mr. Koji Omi. Mr. Omi is considered one of the most influential figures in science and technology in Japan and was keenly interested in speaking with me. He served several government posts in Japan's Ministry of International Trade and Industry, as well as prominent positions in the

cabinet as Minister of Finance, Minister of Science and Technology, Minister of Economic Planning. In 2004 he founded the Science and Technology in Society (STS) forum that takes place in Kyoto every October and is the current chairman Attendance at STS is only by invitation. STS forum aims to build a global network of scientists, business people, policy makers and journalists to explore opportunities arising from science and technology to remove barriers and solve problems facing humankind.

- **2015-2017:** Serving as Member of the Board of Directors of the **A.G. Huntsman Award for Excellence in the Marine Sciences**. Award associated with the Royal Society of Canada <https://rsc-src.ca/en/fellows/medals-awards/rsc-medals-awards#Huntsman>.
- **10 August 2016:** Invited to be Featured Keynote Speaker and Scientific Resource Expert at the **10th Philippine National Health Research System (PNHRS) Week**, Palawan, Philippines – Theme “*Research and Innovation for Health and the Environment*”, Citystate Asturias Hotel, Puerto Princesa City, Palawan, Philippines Palawan, Philippines. Declined due to scheduling conflict. There was not enough notice to find a replacement.
- **11 August 2016:** Invited to Participate in Plenary on “**Addressing the Research Gaps on Health and the Environment based on SDGs, Sendai Framework, Paris Climate Change**” at **10th Philippine National Health Research System (PNHRS) Week**, Palawan, Philippines. Declined due to a scheduling conflict. There was not enough notice to find a replacement.
- **2-4 October 2016:** STS (Science and Technology in Society) Forum, Kyoto, Japan. <http://www.stsforum.org/?lang=en> Declined due to scheduling conflict. Immediate Past President **Dr. Keith Hipel** and President-elect **Dr. Vijaya Raghavan** were both requested to represent the Academy. Unfortunately, due to scheduling conflicts, they also could not make it.
- **Thursday 17 November 2016:** Invited to attend the Huntsman Annual General Meeting and Award Ceremony –Cannot attend due to RSC AGM, so requested **Dr. Kenneth Frank FRSC** to act on behalf of the Academy of Sciences RSC. Dr. Frank is a highly influential fisheries ecologist from Nova Scotia.
- **Friday 18 November 2016:** Invited by the Consul-General of Japan and Mrs. Yasunori Nakayama to attend reception at the Japanese Canadian Cultural Center, Kobayashi Hall, Toronto for the Birthday of His Majesty The Emperor of Japan – Cannot attend due to RSC AGM, so requested **Dr. Michel L. Tremblay FRSC**, Member of the Academy’s Executive (who will be in Toronto for the Gairdner Award committee) to attend on behalf of the Academy of Science, RSC.
- **27-28 December 2016:** Invited to attend and speak at the promotion meeting for the construction of Zhejiang provincial academician expert workstation and launch ceremony for collective services of academician high-end intelligence in Hangzhou. They need an academician who is an expert in one or more of the following areas - information technology, internet technology, new energy materials and biotechnology. This is a funded invitation that I cannot make due to other commitments elsewhere.

1. **Monday 24 October 2016, School of Computer Science and Technology (CST), Huazhong University of Science and Technology (HUST), Wuhan, China**

I was specially invited to discuss new developments in information technology education with administrators and research and teaching faculty.

In the evening, I gave a seminar to students and faculty members of the CST School on “**Computing and Information and Communications Technologies Towards Ubiquitous-Healthcare**”. The 50-minutes seminar was followed by 60 minutes of questions and answers.

2. **Wednesday 18 May 2016, International Sensing Valley Technology Research Institute, Changzhou, China**

I was specially invited to participate in the unveiling ceremonies of China (Changzhou) International Sensing Valley Technology Research Institute. I unveiled the name plate for the sensor technology institute with Yan Li, the Changzhou Municipal Party Committee Secretary (equivalent of Mayor of City).

In the afternoon, I was the **Featured Speaker at 2016 Sensing Technology Conference** of Changzhou, China “*Smart Sensors - Research, Trends and Opportunities*”.

3. **Monday 16 May 2016, Zhejiang University, Hangzhou**

Asian Engineering Deans’ Summit (AEDS) “Inheritance and Innovation of Asian Engineering Education and Research”

I was the **Opening Keynote Speaker** “*Engineering Education and Economic Development- Past, Present and Future?*” at AEDS.

4. **Friday 13 May 2016, Zhejiang University (ZJU), Hangzhou, China**

Invited to deliver special lecture in **ZJU’s 120Global Lecture Series** “*Smart Sensors for the Grand Challenges in Environmental and Health Applications*”. The lecture is part of the plan celebrating the coming 120th anniversary of ZJU.

Activities (Meetings and Presentations) in Philippines

5. Friday 15 July 2016, University of Philippines (UP - Diliman)

Invited to deliver special lecture in their **World Expert Lecture Series** *“Smart Sensors for the Grand Challenges in Health and Environmental Applications”*

6. Wednesday-Thursday 13-14 July, NAST, Manila, Philippines

Wed 13 July 2016 - **Keynote Speaker and Guest of Honor** during the opening of the 38th Annual Scientific Meeting of National Academy of Science and Technology, Philippines (NAST PHL), *“Smart Sensors for the Grand Challenges in Health and Environmental Applications”*

The National Academy of Science and Technology, Philippines (NAST PHL), the country’s highest recognition and advisory body to the government and science community on matters related to science and technology will celebrate its 40th anniversary this year with the theme, *“NAST: 40 years in the Pursuit of Excellence.”*

This year-long celebration was launched on December 17, 2015 and will culminate in December 2016. One of the main activities of the said event is the **38th Annual Scientific Meeting (ASM)** on July 13-14, 2016 at the historic Manila Hotel in Manila, Philippines. Revolving around the theme, **Looking Back and Looking Forward**, the 38th ASM will serve as a forum to review the past achievements and outline the needed reforms/activities for the newly elected government officials in 2016.

17 March 2015: Participated as Honored Guest in celebrating 34th Anniversary of the DOST-Philippine Council for Health Research and Development, with theme, **“Going Global: Increasing International Partnerships”**

7. Thursday 17 March 2016, Manila, Philippines

Meetings with

Executive Director Dr. Jaime C. Montoya, PCHRD

Secretary Mario G. Montejo, Department of Science and Technology; **Secretary** Janette P. Loreto-Garin, Department of Health

Keynote Address *“Smart Sensors for the Grand Challenge in Health Applications”* at Philippine Council for Health Research and Development (PCHRD) at Manila Hotel

8. Wednesday 16 March 2016, Manila, Philippines – Visits to Some Key R&D Centers in Manila

University of Philippines (UP) Diliman/UP Manila project team on RxBox, a telehealth device

De La Salle University - Manufacturing Engineering Department

Integrated Microelectronics, Inc (private company, a new member of the consortium) or

Orthopaedic Innovations Inc (a private company with a joint research with DOST)

Dinner-meeting with Philippine Biomedical Devices Consortium members.

Keynote Speaker *“Opportunities and Challenges in Biomedical Technologies”*

Presentation in USA

9. Thursday 11 July 2015, Global Foundries & IEEE EDS Technology Forum, Malta, New York Opening Keynote Talk “*Smart Sensors for Environmental and Health Applications*”

Finally, I sincerely thank my colleagues on the Academy Executive Committee and Council for their cooperation, collaboration and advice in making my work productive and pleasant. In particular, I thank the Secretary, the Past President and the four Divisional Directors for their assistance and professionalism. I also thank Ms. Marie-Lyne Renaud and Louise Joly of the RSC secretariat and the entire Academy for the exceptional quality of their work and dedication.

Respectfully submitted

M. Jamal Deen PhD DEng-hc Dr-hc Dr-hc Dr-hc
FRSC FCAE MEASA FNASI FINAE FIEEE FAPS FECS FAAAS FEIC

President - Academy of Science, Royal Society of Canada (2015-17)
Distinguished University Professor
Senior Canada Research Chair in Information Technology

09 November 2016



Appendix 2 (page 10)

In 2015-16 PAGSE organized the presentations listed below. Due to the federal election, no presentation was held in November 2015.

1. [Permafrost science heats up: understanding and preparing for change in northern landscapes](#)
Christopher Burn, Carleton University
Thursday February 4, 2016
2. [Rethinking cyberattacks: New strategies to counter the mounting costs to business and threats to Canada's security](#)
Scott Knight, Royal Military College of Canada
Thursday, March 10, 2016
3. [Exploring a simulated brain: from human behaviour to drug effects](#)
Chris Eliasmith, University of Waterloo
Thursday April 14, 2016
4. [Keeping food available and affordable: a twenty-first century challenge](#)
Jean Caron, Université Laval
Thursday May 12, 2016
5. [Crude oil on water - an expert perspective on spills, their impacts and remediation](#)
Kenneth Lee, Commonwealth Scientific and Industrial Research Organisation (CSIRO)
Thursday June 9, 2016
6. [Living with Forest Fires: Lessons from Fort McMurray](#)
Mike Flannigan, University of Alberta
Thursday September 29, 2016
7. [The great biodiversity challenge: Conserving nature through a century of unprecedented change](#)
Jeremy Kerr, University of Ottawa
Thursday October 27, 2016

(PAGSE) recommends that the federal government:

- Increase investments in science and technology to match those in comparator countries.
- Build smart grid technologies in northern communities to improve resilience and sustainability, and to lower energy costs.
- Establish Canada Opportunity Scholarships to facilitate graduate student mobility for training.
- Modernize the support system for industrial research.

[The complete submission is available on the PAGSE website](#)

Appendix 3 (pages 11-14)

[Academy Newsletter article used to invite more nominations of candidates from under-represented groups.](#)

[Sent to Andrew Miall on 7/9/2016 3:57 PM](#)

Candidatures de scientifiques francophones et de scientifiques féminines de haut niveau

Chers/chères membres de l'Académie des sciences

Les francophones et les femmes sont en petits nombres au sein de l'Académie des sciences du Canada, une situation que nous aimerions vivement améliorer. Les statistiques démontrent que la source du déséquilibre est liée au nombre de candidatures, beaucoup trop faible, et non au taux de succès. Nous venons donc solliciter votre aide pour faire en sorte que plus de scientifiques francophones et de femmes soient proposés comme nouveaux membres de l'Académie. C'est la troisième année que nous lançons cet appel et nous avons constaté avec bonheur que, coïncidence ou pas, le nombre de francophones et de femmes élus à l'Académie des sciences en 2015 et 2016 a augmenté de façon marquée. En 2016, 20% et 21% des nouveaux membres de notre Académie sont des francophones et des femmes, respectivement, ce qui nous encourage à continuer nos efforts.

Nous invitons donc tous les membres de l'Académie des sciences à soumettre des candidatures de collègues dont les réalisations scientifiques méritent d'être reconnues, et de s'assurer que les noms de scientifiques francophones et de scientifiques féminines ne soient pas oubliés. Bien sûr nous sollicitons toutes les candidatures de haut niveau scientifique, indépendamment de toute autre considération.

Finalement, notre invitation à soumettre plus de candidatures, en particulier francophones et féminines, s'applique aussi aux prix et médailles offerts par l'Académie. À noter que la Médaille Willet G. Miller, qui avait été suspendue en 2012, est offerte à nouveau, et maintenant pour toutes les disciplines de la division des sciences de la terre, de l'océan et de l'atmosphère – les nominations sont invitées en grand nombre. Il y a probablement dans votre entourage des collègues qui feraient des candidat(e)s de tout premier rang – que diriez-vous de soumettre leurs candidatures?

Les procédures à suivre pour soumettre des candidatures seront disponibles sur le site web de la Société à l'adresse suivante à compter du 1^{er} septembre : <http://rsc-src.ca/fr/membres/médailles-distinctions>

Nous comptons sur votre collaboration et vous en remercions.

Jamal Deen
Président
Académie des sciences
jamal@mcmaster.ca

Jacques Derome
Secrétaire
Académie des sciences
jacques.derome@mcgill.ca

Recognizing Deserving Francophone and Female Colleagues

Dear Fellows of the Academy of Science:

Francophone and female scientists are in low numbers in the Academy of Science, a situation that we would very much like to improve. The statistics point to the low number of nominations, and not the success rate of the nominations, as the root cause. We are therefore asking for your help in making sure that more francophone and female scientists are proposed as new Fellows of our Academy. For the last two years we have made a similar appeal to you and we are happy to report that, coincidentally or not, the number of Francophones and women elected to the Academy of Science has significantly increased in 2015 and 2016. This year 20% and 21% of new Fellows are Francophones and women, respectively, both much higher than in previous years, so we are encouraged to continue our efforts.

We therefore invite all Fellows of the Academy of Science to consider nominating colleagues whose accomplishments deserve to be recognized, and to ensure that francophone and females scientists are not inadvertently overlooked. Of course, we invite all candidacies of high scientific merit, independently of all other considerations.



Finally, our invitation to submit more nominations, in particular of Francophones and women, applies also to the medals and awards of the Academy. Note that the Willet G. Miller Medal, which had been put in abeyance since 2012, is now awarded again, and now for all disciplines covered by the Earth Ocean and Atmospheric Sciences Division - nominations are strongly invited. You probably have colleagues who would be first-rate candidates for an award – how about nominating them?

The procedures to follow in submitting nominations will be available on the Society's web site starting September 1st at: <http://rsc-src.ca/en/fellows/medals-awards>

We trust we can count on your collaboration and thank you for it.

Jamal Deen
President
Academy of Science
jamal@mcmaster.ca

Jacques Derome
Secretary
Academy of Science
jacques.derome@mcgill.ca



Studiis eodem diversis nitimur

Professeur Edwin Bourget
Vice-recteur à la recherche et à la création
Université Laval
Pavillon des sciences de l'Éducation
Bureau 1434
2320, rue des Bibliothèques
Québec (Québec) G1V 0A6

Le 21 septembre 2016

Cher M. Bourget,

Les francophones et les femmes sont en petits nombres au sein de l'Académie des sciences du Canada, une situation que nous aimerions vivement améliorer. Les statistiques démontrent que la source du déséquilibre est liée au nombre de candidatures, beaucoup trop faible, et non au taux de succès. Nous venons donc solliciter votre aide pour faire en sorte que plus de scientifiques francophones et de femmes soient proposés comme nouveaux membres de l'Académie. C'est la troisième année que nous lançons cet appel et nous avons constaté avec bonheur que, coïncidence ou pas, le nombre de francophones et de femmes élus à l'Académie des sciences en 2015 et 2016 a augmenté de façon marquée. En 2016, 20% et 21% des nouveaux membres de notre Académie sont des francophones et des femmes, respectivement, ce qui nous encourage à continuer nos efforts.

Comme vous le savez sans doute, des candidat(e)s à l'Académie des sciences peuvent être proposé(e)s soit par un membre de l'une ou l'autre des trois Académies de la Société royale du Canada, ou par la haute direction d'une institution membre de la Société royale comme la vôtre. En effet, la direction de chaque institution membre peut soumettre jusqu'à trois candidatures chaque année (incluant les candidatures des deux dernières années encore sous considération), en plus des candidatures soumises par ses professeurs membres de la Société royale du Canada. Nous espérons que vous voudrez bien vous prévaloir de cette possibilité de proposer des candidat(e)s et aussi encourager vos professeurs membres de la Société à proposer des collègues à l'Académie. Votre université compte, il est évident, plusieurs scientifiques de haut niveau qui seraient d'excellent(e)s candidat(e)s pour l'Académie des sciences – nous serions ravis de recevoir leurs candidatures. Le site web de la Société (<http://rsc-src.ca/fr/membres/mises-en-candidature-élections>) donne tous les détails sur la procédure à suivre pour soumettre une candidature.

Walter House / Maison Walter
282 Somerset W/o
Ottawa ON K2P 0J6

☎ 613-991-6990 | 📠 613-991-6996
✉ info@rsc-src.ca | 🌐 www.rsc-src.ca

RSC
The Royal Society of Canada
The Academies of Arts,
Humanities and Sciences
of Canada



SRC
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Les Académies des arts,
des lettres et des sciences
du Canada

Nous profitons de cette occasion pour solliciter aussi plus de nominations de francophones et de femmes pour les prix et distinctions de notre Académie, une autre façon de dire à nos collègues que nous apprécions leurs contributions scientifiques exceptionnelles.

Nous espérons pouvoir compter sur votre collaboration pour faire en sorte que l'Académie des sciences puisse reconnaître le mérite d'un plus grand nombre de francophones et de femmes. N'hésitez pas à communiquer avec l'un ou l'autre d'entre nous si vous avez des questions.

Veillez accepter, M. Bourget, nos meilleures salutations,

Jamal Deen

Président
Académie des sciences
jamal@mcmaster.ca

Jacques Derome

Secrétaire
Académie des sciences
jacques.derome@mcgill.ca

Appendix 4 (pages 15-16)

Past Presidents' Council (PPC) – Conseil des Anciens

Présidents

Academy of Science, Royal Society of Canada

Mandate: Use the valuable leadership experience, wealth of knowledge and wisdom of Past Presidents of the Academy of Science to assist the current President in fulfilling the Academy's objectives and providing continuity and creativity in its development.

Intention: The PPC is designed to directly support the President and provide contributions that are complementary to or completely outside of the mandates of existing committees. The PPC is meant to add continuity and consistency to the growth of the Academy and provide vision to the Academy for reaching its full potential.

Membership: All Past Presidents who accept an invitation to become *Distinguished Member* of the Past Presidents' Council (PPC).

Structure: The Distinguished Members shall elect a *Chair* of the PPC who shall serve for a three-year period.

The Chair shall appoint a *Secretary* to record the minutes of meetings and the activities of Distinguished Members.

The President may directly contact one or more Distinguished Members for assistance in addressing a particular problem and will inform the Chair whenever this is done.

Duties: The PPC shall provide important contributions to the ongoing development of the Academy of Science. Some of the tasks will be directly requested by the President while others will be initiated by individual Distinguished Members, according to the following three goals having activities which include:

Promote

Represent the President on special occasions when requested to do so.

Elevate the profile of the Academy at the local, provincial, national and international levels.

Organise special conferences, meetings and workshops.

Raise funds for specific educational and research projects.

Obtain financial support for important projects within and across the four Academy Divisions as well as in cooperation with other Academies for interdisciplinary initiatives.

Write timely articles for the Academy Newsletter and encourage others to follow suit.

Author newspaper articles about activities of Canadian scientists and how their work benefits society.

Recognise

Proactively nominate deserving scientists to become Fellows of the Royal Society of Canada and encourage others to do likewise.

Actively assist in nominating qualified scientists who are under-represented in the Academy, to be elected Fellows.

Put forward academics who are starting their careers to be elected Members of the College of New Scholars, Artists and Scientists.

Ensure deserving candidates are nominated to receive medals falling under the purview of the Academy.

Suggest new medals and associated funding sources for the four Divisions within the Academy, especially in emerging areas of high importance.

Advise

Furnish advice to the President when asked to do so for specific situations.

Serve as an ongoing source of information and guidance to the President of the Academy.

Participate in forming Expert Panels and raising funds for them.

Provide names of experts to serve on and chair Expert Panels, including Distinguished Members of PPC.

Initiate and assist in funding and launching new initiatives for advising government, non-governmental organizations (NGOs) and the Canadian public on matters of societal importance.

Meetings: A separate meeting of the PPC shall take place at each Annual General Meeting (AGM) of the Academy which is usually held in late November. The meeting will be jointly chaired by the President of the Academy and the PPC Chair. When necessary, other meetings can also be arranged as teleconferences or face-to-face meetings.

Appendix 5 (pages 17-18)

Report from the Academy of Science Secretary

As Secretary of the Academy of Science I was an ex-officio member of the following bodies:

- a. Academy Executive Committee
- b. Academy Council
- c. Academy Awards Committee
- d. Academy New Fellows Selection Committee
- e. RSC Council.

I also represented the Academy on the RSC Awards and Recognition Committee.

In addition to the usual responsibilities associated with participating in the above committees and Councils I was involved in the following Academy activities:

The J. Ross Mackay Medal Proposal: A group of UBC Geography faculty members has asked the Academy to create a new medal in honour of J. Ross Mackay, a world-renown Arctic researcher who passed away in October 2014. The group offered to raise the required funds over a period of three years. The Academy Executive Committee approved the proposal and asked me to take it to the RSC Awards and Recognition Committee. After approval there I took the proposal to the RSC Council which approved it unanimously. If the required funds are raised in the said period, the medal will be created and offered every year or every two years, depending on the funding. If insufficient funds are raised, the available money will be made available to the RSC, to be used in a way that is acceptable to the UBC Geography Department and consistent with the mission of the RSC.

The Alice Wilson Medals: The Alice Wilson Awards are given each year by the RSC to three outstanding female postdoctoral fellows. The nominations come from the three Granting Councils. Each Academy can designate one winner, despite the fact that the Academy of Science typically receives many more nominations than the other two Academies. (Exceptionally this year we got approval for two winners from our academy, one for the life sciences and one for the natural sciences). The Executive Committee of our Academy decided to request that in the future there be one winner per Granting Council and that the adjudication of the awards be done by the College of New Scholars, Artists and Scientists. As instructed, I took this request to the RSC Awards and Recognition Committee for approval. That committee approved one part of the request, namely, that the adjudication of the awards should be done in the future by the College of New Scholars, Artists and Scientists, but recommended that the awards be distributed in a way to be determined by the College and approved by the RSC Council. As asked by the Chair of the RSC Awards and Recognition Committee I took the Committee's recommendations as a motion to the RSC Council, which approved it.

Other activities included the writing of an article with the President that appeared in the Academy Newsletter inviting Fellows to nominate more women and Francophones, both groups being in small numbers in the Academy. We also wrote to seven Quebec universities reminding them that as Institutional Members of the RSC they are entitled to nominate three candidates for fellowship, in addition to the nominations made by their faculty members. We invited them to take advantage of this so as to increase the number of RSC nominations of women and Francophones. This was the third year in a row that we have made this appeal to the membership and to the Quebec

French-language Institutional Members. Coincidentally or not, over the first two years we saw a substantial increase in the nomination, and election, of women and Francophones, so we were encouraged to continue our efforts this year.

In closing I would like to thank my colleagues on the Academy Executive Committee and Council for their collaboration and help in making my work enjoyable. A special word of thanks to the four Divisional Directors and the four Divisional Chairs of the Nominating Committees for a wonderful collaboration. Finally, Ms. Marie-Lyne Renaud of the RSC secretariat deserves my gratitude and that of the entire Academy for the exceptional quality of her work and her dedication.

Jacques Derome
Secretary, Academy of Science

November 2016

Appendix 6 (pages 19-22)

**MEMORANDUM OF UNDERSTANDING BETWEEN
CANADIAN SCIENCE PUBLISHING (hereinafter “CSP”)**

—and—

ROYAL SOCIETY OF CANADA (hereinafter “RSC”)

WHEREAS:

- (a) CSP is a leading not-for-profit publisher of 21 science and technology journals, including *FACETS*, an open access multidisciplinary science journal;
- (b) The RSC is Canada’s National Academy, the senior collegium of distinguished scholars, artists, and scientists in the country, with the primary objective of promoting learning and research in the arts, the humanities, and the natural and social sciences;
- (c) CSP and RSC desire to cooperate with each other to: (i) encourage the publication of Canadian research in a trusted open access journal; (ii) enhance the profile of *FACETS* as a venue for publishing high-quality research by Canadian researchers; (iii) provide RSC with a high-quality publishing outlet for research; (iv) use the unique and respective strengths of both parties to further the development of scholarly research in Canada; and (v) promote each other to their communities.

THEREFORE, the parties hereby express their intentions under this Memorandum of Understanding (the “MOU”) as follows:

Article 1: RSC Responsibilities

- 1.1 Designate *FACETS* as its official journal of the Academy of Science.

- 1.2 *FACETS* will serve as a preferred venue for the peer-reviewed publication of any research papers that arise from the RSC Expert Panel Reports or other special RSC reports.
- 1.3 Promote and encourage its Fellows to publish in *FACETS* and to take advantage of discounted article processing charges (APCs).
- 1.4 Recognize CSP as a sponsor of the RSC.

Article 2: CSP Responsibilities

- 2.1 Recognize RSC as an official partner and incorporate the RSC logo on the *FACETS* website.
- 2.2 Provide RSC with an annual free open access quota and once the quota is met, a discount on APCs to RSC Fellows.
- 2.3 Provide sponsorship for the RSC AGM, as funds allow.
- 2.4 Sponsor an RSC award(s) and/or medal(s) with an invitation to submit a manuscript to *FACETS* with APCs waived (in addition to the OA quota described in 2.2).

Article 3: Mutual responsibilities

- 3.1 Cross-promote each other on their websites, through social media, and on promotional material.
- 3.2 Establish logos and web links on each other's websites to ensure easy access to respective resources.
- 3.3 Arrange for free ad space in e-newsletters and/or publications deemed appropriate.
- 3.4 Acknowledge that it is the Editor-in-Chief and the Subject Editors of *FACETS* who are responsible for the content of *FACETS*. The final decision and responsibility to publish any content rests with them.

Article 4: Funding

- 4.1 Each party will pay the operating costs of its facilities as well as the salaries, benefits, travel costs and relevant special allowances of its employees resulting from activities undertaken pursuant to this MOU.

Article 5: Confidentiality and Exchange of Information

- 5.1 Exchange of information that is confidential in nature will only take place under a separate and binding confidentiality agreement.

Article 6: Notice

- 6.1 Any notice to either party hereunder must be in writing and sent via email or post.

Article 7: Duration

- 7.1 This MOU will come into effect upon the last signature (the “Effective Date”) and will remain perpetually active until either party ends the MOU with sixty (60) days written notice.

Article 8: Non-Binding

- 8.1 Any disputes or disagreements with regard to the interpretation, implementation or application of this MOU will be resolved by mutual discussion between the parties, and will not be referred to any court, tribunal, or other third party for adjudication or settlement.
- 8.2 Nothing in this MOU will be construed as committing either party to entering into any binding agreement with the other party.



IN WITNESS WHEREOF, the parties hereto have caused this MOU to be executed by their duly authorized representative as of the last date and year written.

CSP

Per:

Suzanne Kettley, Executive Director

Date: _____

RSC

Per:

Darren Gilmour, Executive Director

Date: _____

CSP

Suzanne Kettley, Executive Director
Canadian Science Publishing
Suite 203, 65 Auriga Drive
Ottawa, Ontario K2E 7W6
Canada

RSC

Darren Gilmour, Executive Director
Walter House
282 Somerset West
Ottawa ON K2P 0J6
Canada